

## **AMENDMENTS TO THE CLAIMS**

### **Claims 1-18 (Canceled)**

**Claim 19 (Original)** An electrolytic processing apparatus comprising:

an electrode section including an electrode member comprised of an electrode and an ion exchanger covering a surface of the electrode;

a holder for holding a workpiece and bringing the workpiece into contact with the ion exchanger of the electrode member;

a liquid supply system for supplying a liquid between the ion exchanger and the workpiece held by the holder;

a drive mechanism for causing relative movement between the electrode section and the workpiece; and

a power source to be connected to the electrode of the electrode member of the electrode section;

wherein a continuous contact time of the ion exchanger with a point in a processing surface of the workpiece is not more than 10 msec.

**Claim 20 (Original)** The electrolytic processing apparatus according to claim 19, wherein the drive mechanism is designed to cause relative movement between the electrode section and the workpiece at a relative speed of not lower than 0.2 m/sec.

**Claim 21 (Original)** The electrolytic processing apparatus according to claim 19, wherein the ion exchanger covering the electrode is designed to make contact with the workpiece held by the holder with a contact width of 0.2 to 1.5 mm.

**Claim 22 (Original)** The electrolytic processing apparatus according to claim 21, wherein the drive mechanism is designed to cause relative movement between the electrode section and the workpiece at a relative speed of not lower than 0.2 m/sec.

**Claims 23-38 (Canceled)**

**Claim 39 (Original)** An electrolytic processing method comprising:

processing a workpiece in the presence of a liquid by applying a voltage to an electrode and moving an ion exchanger, covering a surface of the electrode, and the workpiece held by a holder relative to each other, while keeping the ion exchanger and the workpiece in contact with each other, such that the contact time of the ion exchanger with a point in a processing surface of the workpiece is not more than 10 msec.

**Claim 40 (Original)** The electrolytic processing method according to claim 39, wherein the ion exchanger and the workpiece held by the holder contact each other with a contact width of 0.2 to 1.5 mm.

**Claim 41 (Original)** The electrolytic processing method according to claim 39, wherein the ion exchanger and the workpiece held by the holder are moved relative to each other at a relative speed of not less than 0.2 m/sec while keeping them in linear contact with each other.

**Claim 42 (Original)** The electrolytic processing method according to claim 40, wherein the ion exchanger and the workpiece held by the holder are moved relative to each other at a relative speed of not less than 0.2 m/sec while keeping them in linear contact with each other.

**Claims 43-71 (Canceled)**